

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	RPTM24248		
Product Use:	Pool Clarifier		
Product Description:	POOL TIME WINTER ALL		
Chemical Family:	Mixture		
Technical Name:	Not Applicable		
Manufacturer/Supplier:	Emergency Telephone Numbers:		
RECREATIONAL WATER P.O. BOX 887 SCOTSDALE, GEORGIA 30079 800-949-SWIM (7946)	CHEMTREC (800)424-9300		Health (303)623-5716
	Prepared: REGULATORY AFFAIRS		

SECTION 2 - HAZARDOUS COMPONENTS

COMPONENT	WT%	CAS Number
Alkyldimethylbenzylammonium chloride	10.0 %	68424-85-1
2-Phosphono-1,2,4-butanetricarboxylic	5.0 %	37971-36-1
Sodium Hydroxide	2.8 %	1310-73-2
Ethyl Alcohol	1.3 %	64-17-5

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Remove and wash contaminated clothing.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUTION: Causes eye irritation. Avoid contact with eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: CAUTION: Causes skin irritation. Avoid contact with skin.

EFFECTS OF OVEREXPOSURE - INHALATION: Irritating to nose and throat. Avoid breathing vapors.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: There are no known chronic hazards.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation, Ingestion, Eye Contact

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

FIRST AID - SKIN CONTACT: If contact with skin: Wash off excess chemical with soap and water and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

FIRST AID - INHALATION: If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

FIRST AID - INGESTION: If swallowed: Drink large amounts of water. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flashpoint and Method: None

Flammable Limits: LEL: N.A. UEL: N.A.

Autoignition Temperature:

EXTINGUISHING MEDIA: Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: There are no unusual fire and explosion hazards known.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spilled material. Cover the liquid with a inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Mix only with water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with other chemicals may start a chemical reaction generating heat, hazardous gases, fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary.

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 7 - HANDLING AND STORAGE - continued

STORAGE: Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	Source	Value
Alkyldimethylbenzylammonium chloride	OSHA TWA ACGIH TLV	Not Established Not Established
2-Phosphono-1,2,4-butanetricarboxylic	OSHA TWA ACGIH TLV	Not Established. Not Established.
Sodium Hydroxide	OSHA TWA ACGIH TLV	2 mg/m3 2 mg/m3
Ethyl Alcohol	OSHA TWA ACGIH TLV	1000 ppm (1880 mg/m3) 1000 ppm (1880 mg/m3)

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to maintain exposure below TLV.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Wear rubber gloves when handling this product. Avoid contact with skin.

EYE PROTECTION: Wear goggles or safety glasses with side shields when handling this product.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.

HYGIENIC PRACTICES: Remove and wash contaminated clothing before reuse.

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not Available
Specific Gravity:	1.1
Solubility:	Miscible in Water
pH:	7.0 - 7.5
Melting Point:	Not Applicable.
Boiling Point:	212 F
Viscosity:	Not Available
Vapor Density (Air = 1):	Is heavier than air
Evaporation Rate (n-Butyl Acetate = 1):	Is slower than Butyl Acetate
Ddor:	Almondy
Appearance:	Blue
Physical State:	Liquid
Partition Coefficient (n-octanol/water):	Not Available.

SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
STABILITY: This product is stable under normal conditions.
CONDITIONS TO AVOID: High Temperature. Poor Ventilation. Contamination.
INCOMPATIBILITY: Avoid contact with easily oxidizable material. Ammonia, urea, or similar nitrogen containing compounds. Inorganic reducing compounds. Other swimming pool/spa chemicals in their concentrated forms.
HAZARDOUS DECOMPOSITION PRODUCTS: Vapors/fumes of organic/inorganic materials plus oxides of carbon may be emitted.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: This product is not a mutagen or teratogen. This product is not listed as a carcinogen by EPA, NTP, or IARC. Toxicological information indicates this product may be irritating to skin and eyes.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire. Do not reuse container. Rinse thoroughly before discarding in trash. Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION**DOT:**

Proper Shipping Name: Not Regulated.
Hazard Class:
Identification Number:
Packing Group:
RQ:

SECTION 15 - REGULATORY INFORMATION**FEDERAL:****OSHA (Occupational Safety and Health Act):**

Product is hazardous by definition of the Hazard Communication Standard.

TSCA (Toxic Substance Control Act):

This product or its components are listed on the TSCA Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

This product or its components are not subject to export notification.

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act):

This product is not a registered pesticide.

CERCLA (Comprehensive Response, Compensation and Liability Act):

Sodium Hydroxide

Category C

RQ 1000 lbs.

SARA (Superfund Amendments and Reauthorization Act):

SARA 313: This product or its components are not listed.

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

Product Name:	POOL TIME WINTER ALL	Date Prepared:	04/07/95
Product Number:	RPTM24248	Supersedes:	04/07/95

SECTION 16 - OTHER INFORMATION			
NFPA: Health: 2	Flammability: 1	Reactivity: 1	
HMIS: Health: 2	Flammability: 1	Reactivity: 1	Personal Protection: B
REVISION SUMMARY:			

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as arecommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.